(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

COME PULIPIO HI D. OCT die.

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 29 July 2004 (29.07.2004)

PCT

(10) International Publication Number WO 2004/063275 A1

(51) International Patent Classification⁷: C08F 2/48

C08L 33/00,

(74) Agents: JANG, Seongku et al.; 19th Fl., KEC Building, #275-7, Yangjae-dong, Seocho-ku, 137-130 Seoul (KR).

(21) International Application Number:

PCT/KR2004/000030

- (22) International Filing Date: 10 January 2004 (10.01.2004)
- (25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2003-0001654 10 January 2003 (10.01.2003) KR

- (71) Applicant (for all designated States except US): KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY [KR/KR]; #100, Jang-dong, Yuseong-gu, 305-343 Daejeon (KR).
- (72) Inventors; and

(75) Inventors/Applicants (for US only): KIM, Eunkyoung [KR/KR]; Unam Apt. 505-1601, Yeolmaemaeul 5-danji, Jijok-dong, Yuseong-gu, 305-330 Daejeon (KR). PARK, Ji Young [KR/KR]; Kyeryong Apt. 3-501, Kasuwon-dong, Seo-gu, 302-241 Daejeon (KR). (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,

PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PHOTOPOLYMERIZABLE COMPOSITION AND PHOTOPOLYMERIZABLE FILM PREPARED THEREFROM



(57) Abstract: A photopolymerizable composition of the present invention, comprising a specific acryl- or methacryl-based compound in combination with a binder which is a siloxane precursor-containing sol-gel solution or a transparent polymer resin, can provide a photopolymerizable film having an improved recording property when photocured.